

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003504

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J13/02 B01J13/16 B01J27/185

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/006151 A (LEY STEVEN VICTOR ; RAMARAO CHANDRASHEKAR (GB); SHIRLEY IAN MALCOLM (G) 23 January 2003 (2003-01-23) cited in the application pages 1-17; claims 1-24 example 26	1-16, 19-33
A		17, 18
X	EP 0 940 170 A (KOBAYASHI SHU ; WAKO PURE CHEMICAL INDUSTRIES L (JP)) 8 September 1999 (1999-09-08)  page 2, line 51 - page 3, line 4 page 4, line 32 - page 8, line 55; claim 12 page 4, line 18 - line 22 page 10, line 1 - line 12; claim 5; example 3	1,7,8, 10,15, 16,28, 29,31
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

5 January 2005

Date of mailing of the international search report

19.01.05

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	ANONYMOUS: "Avecia's New Immobilised Palladium Catalyst technology" PD ENCAT TM, 'Online! May 2004 (2004-05), XP002305194 Retrieved from the Internet: URL:HTTP://WWW.AVECIA.COM/PHARMS/CORETECH/ TECHNOLOGIES/PDENCAT_FLYER_020504.PDF> 'retrieved on 2004-11-09! the whole document -----	1-13
P,X	EP 1 386 663 A (JAPAN SCIENCE & TECH CORP) 4 February 2004 (2004-02-04)  page 4, line 19 - line 25 page 5, line 27 - line 57; example 4 page 2, line 30 - line 44 page 3, line 23 - line 47; example 1	1,7-12, 15,16, 28-33
X	& WO 02/070131 A (JAPAN SCIENCE & TECH CORP ; KOBAYASHI SHU (JP)) 12 September 2002 (2002-09-12) -----	1,7-12, 15,16, 28-33
A	US 2002/045709 A1 (SHIOBARA TOSHIO ET AL) 18 April 2002 (2002-04-18) page 3, paragraph 25 - page 4, paragraph 27 -----	17-32

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### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14 and dependent claims when dependent on claims 1-14

A microencapsulated catalyst-ligand system comprising a catalyst and a ligand microencapsulated within a permeable polymer microcapsule shell.

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2. claims: 15,16 and dependent claims when dependent on claims 15,16

A microencapsulated catalyst-ligand system comprising a catalyst microencapsulated within a permeable polymer microcapsule shell, the shell being further treated with a ligand

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3. claims: 17,18 and dependent claims when dependent on claims 17,18

A microencapsulated catalyst-ligand system comprising a ligand microencapsulated within a permeable polymer microcapsule shell, the shell being further treated with a catalyst

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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